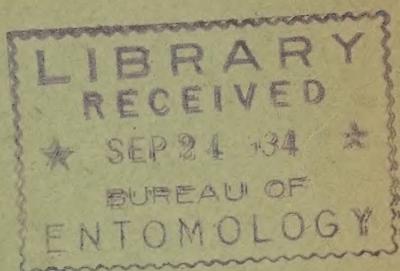


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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF CHEMISTRY AND SOILS
INSECTICIDE DIVISION

Patent List No.14



A LIST OF
UNITED STATES PATENTS

Issued from 1917 to 1933 inclusive

relating to

DEVICES FOR CATCHING INSECTS WITH ADHESIVES

Compiled by

R. C. Roark

Washington, D.C.
August 1934

A LIST OF UNITED STATES PATENTS ISSUED FROM 1917 TO 1933, INCLUSIVE,
RELATING TO DEVICES FOR CATCHING INSECTS WITH ADHESIVES.

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R. C. Roark

Insecticide Division, Bureau of Chemistry and Soils

These 53 devices include frames for holding sticky fly paper, a rotatable cylinder mounted in a trough containing a sticky substance, fly swatters of sticky fly paper, and of wire gauze coated with adhesive, cones and ribbons of sticky fly paper, an endless belt covered with adhesive and moved by clockwork, a frame for holding sticky fly paper on the back of a cow and apparatus for keeping a sheet of absorbent material moistened with a poisonous liquid.

Every effort has been made by the compiler to make this list of patents complete and no discrimination is intended against any patent mention of which is inadvertently omitted.

The Department of Agriculture assumes no responsibility for the merits or workableness of any of the patents, nor does it recommend any of the inventions listed.

1,217,825 (Feb. 27, 1917; appl. Nov. 16, 1916). FLY PAPER HOLDER. Charles W. Randall, West Hoboken, N. J. - This frame holds a sheet of fly-paper stretched flat.

1,225,064 (May 8, 1917; appl. June 17, 1916). HOLDER. Remmer H. Sietsema, Little Rock, Iowa. - This device holds a sheet of sticky fly paper in a flat position.

1,235,574 (Aug. 7, 1917; appl. Sept. 18, 1916). FLY TRAP. John B. Kirby, Whitman, Mass. - This device holds a sheet of sticky fly paper in cylindrical form.

1,239,148 (Sept. 4, 1917; Appl. July 24, 1912). FLY CATCHER. Herman O. Wende, Chicago, Ill. - This device for use in store windows consists of a rotatable cylinder mounted in a trough containing a sticky substance.

1,239,703 (Sept. 11, 1917; appl. Dec. 15, 1916). HOLDER FOR FLY PAPER. William H. Leaman, Jr., Meriden, Conn. - A tray in which sticky fly paper is placed is mounted on a pole for catching flies on a ceiling.

1,242,648 (Oct. 9, 1917; appl. Nov. 13, 1913). FLY CATCHER. Otto Braedt, Vienna, Austria. - This sticky fly paper is provided with stiffening strips at opposite ends and suspension loops.

1,254,286 (Jan. 22, 1918; appl. July 25, 1917). APPARATUS FOR MOISTENING ABSORBENT MATERIAL. Sarah S. Staples, London, England. - A sheet of absorbent material is kept moist by means of a liquid contained in a reservoir at the upper part thereof, which liquid may or may not be poisonous according to whether it is desired to kill insects or merely to cool an apartment or chamber.

1,261,618 (Apr. 2, 1918; appl. Mar. 30, 1917). FLY PAPER HOLDER. Nora Rettig, Logansport, Ind. - This device consists of a plate with spring plates for holding a sheet of fly paper and a handle for attachment to a hook.

1,270,222 (June 18, 1918; appl. Sept. 28, 1917). FLY CATCHER. Clifford Shatalroe, Indianapolis, Ind. - A wire frame for holding a sheet of adhesive fly paper is designed to be used for catching flies by a sweep of the hand.

1,286,763 (Dec. 3, 1918; appl. Oct. 15, 1918). INSECT DESTROYER. Frederick Pfeiffer, Sr., Newark, N.J. - A paper cone is formed with a spiral ledge adapted to hold a strip of adhesive paper or of paper charged with poison.

1,297,267 (Mar. 11, 1919; appl. Aug. 30, 1917). FLY CATCHER. Gustav Sprengel, Wheaton, Ill. - This fly swatter consists of fly paper held in a wire frame.

1,311,704 (July 29, 1919; appl. Feb. 23, 1918). FLYCATCHER. Theodore C. Northcott, Luray, Va. - This wire gauze fly swatter is coated on both sides with a sticky substance similar to that used in the preparation of fly paper.

1,318,562 (Oct. 14, 1919; appl. Nov. 12, 1918). FLY PAPER HOLDER. William D. Hughes, Condon, Ore. - This frame holds in a vertical position paper coated on one side with a glue preparation.

1,374,539 (Apr. 12, 1921; appl. Sept. 27, 1920). FLY TRAP. Maurice E. Wilson, Perry, Ohio. - This invention is an improvement on a fly trap disclosed in patentee's U. S. Patent #1132141 dated March 16, 1915, which shows a cage in which is a movable plate adapted to support a sheet of sticky fly paper and which is movable toward the open end of the cage, whereby the cage may be placed over a fly on the ceiling or the like, and the fly will then be caught by the fly paper.

1,379,734 (May 31, 1921; appl. May 23, 1919). STICKY-FLY-RIBBON COIL. William J. Wagner, Grand Rapids, Mich. - The O. & W. Thum Co., Grand Rapids, Mich. - This device consists of a coil of sticky fly paper in a container. The outer end of the coil is secured to the inside of the container and the inner end to a withdrawing tape.

1,392,156 (Sept. 27, 1921; appl. Apr. 8, 1921). SANITARY FLY TRAP. Alfred B. Heller, Hamburg, Pa. - This foldable box-like device is made of stiff paper and contains fly paper on the bottom.

1,411,931 (Apr. 4, 1922; appl. Jan. 20, 1921). INSECT CATCHER AND DESTROYER. Frederick Pfeiffer, Sr., Brooklyn, N.Y. - A foldable strip of sticky flypaper is provided with a hook at one end for suspending it and a trough at the bottom to catch the gummy substance liquified by heat.

1,428,384 (Sept. 5, 1922; appl. Aug. 2, 1921). FLY CATCHER. Martin Maxian, Johnstown, Pa. - This device consists of a cardboard cone coated with an adhesive of a character adapted to attract and trap flies.

1,431,843 (Oct. 10, 1922; appl. Oct. 4, 1921). FLYPAPER HOLDER. Paul A. Rauth, Boonville, Ind. - This wire holder for sticky fly paper holds the paper in stretched position.

1,445,549 (Feb. 13, 1923; appl. Aug. 24, 1922). FLY PAPER HOLDER. Giuseppe M. Pellettieri, St. Louis, Mo. - A holder for supporting a cone of poisonous fly paper in position to attract the flies is described. Means are provided for supplying water to the paper to keep it moistened throughout.

1,451,583 (Apr. 10, 1923; appl. Oct. 18, 1921). FLY PAPER HOLDER. Samuel McCardia, Strathcona, Canada. - This device is designed to support fly paper in an outward arched condition, so that all the sticky surfaces thereof will be exposed.

1,458,890 (June 12, 1923; appl. Nov. 22, 1921). FLY PAPER HOLDER. David Levy, New York, N.Y. - This device supports a roll of fly paper in such a manner that there is no danger of a person becoming entangled in the paper.

1,464,133 (Aug. 7, 1923; appl. Nov. 15, 1921). FLY CATCHER. Albert S. Hawkes, Rotorua, New Zealand. - This device consists of a length of wire or rod provided with a hook or loop at its upper end and having a stop at its lower end, and coated with a sticky material.

1,470,435 (Oct. 9, 1923; appl. Apr. 7, 1922). INSECT CATCHER. Charles Fowler, Tomkins Cove, N. Y. - This device consists of a bag coated on the inside with adhesive and attached to a handle in such a way that the mouth of the bag is kept open. When it is desired to entrap an insect, the device is manipulated to dispose the trap receptacle over a fly located on a wall, table or other surface. The latter immediately attempts to escape by flying, and as there is but one direction for it to travel, it must come into contact with the sticky inner-lining of the sack, and will therefore be held securely against escape. After a sufficient number of the insects have thus been caught, the sack may be removed and burned or buried, and a new sack applied to the holder.

1,477,081 (Dec. 11, 1923; appl. Oct. 17, 1922). FLY CATCHER. José R. Salinas, Monterrey, Mexico. - This device consists of an endless belt covered with adhesive and moved by clockwork. Means are provided for scraping off the flies and for recoating the belt with a suitable fly-catching liquid adhesive.

1,478,330 (Dec. 18, 1923; appl. Aug. 9, 1922). INSECT CATCHER. Charles Fowler, Tomkins Cove, N. Y. - This insect catcher comprises a manipulating handle and a receptacle carried thereby and is adapted, by manipulating the handle, to be disposed over the insect to trap the same therein, said receptacle being provided with a sticky or adhesive surface with which the insect must come in contact, thereby causing the insect to be held within the receptacle against any possibility of escape. The receptacle may be made of paper and capable of being packaged in flat form.

1,480,539 (Jan. 8, 1924; appl. Sept. 1, 1920). FLY PAPER. John Grecu, New York, N.Y. - A sticky fly paper is formed into a roll which may be unfolded into the form of a cone without soiling the hands.

1,481,060 (Jan. 15, 1924; appl. Apr. 4, 1922). WIRE HOLDER FOR FLY PAPER. Samuel A. Holmes, Storm Lake, Iowa. - A wire frame for holding sticky fly paper is described.

1,488,145 (Mar. 25, 1924; appl. Apr. 18, 1923). INSECT EXTERMINATING DEVICE. Maud Bellows, Spirit Lake, Iowa. - This device consists of a box with sticky fly paper in the bottom, and a handle attached to the bottom and is intended for catching flies on walls and ceilings.

1,494,493 (May 20, 1924; appl. June 3, 1921). FLY PAPER HOLDER. Paul W. Lichtenberger, Philadelphia, Pa. - This sticky fly paper holder consists of a tray with legs.

1,511,682 (Oct. 14, 1924; appl. Jan. 25, 1921). FLY TRAP. Frank F. Skelly, Ramona, Calif. - Flies are attracted to this accordion like paper trap by a moistened bait. The top of the trap is made more pervious to light than the lower portion.

1,521,261 (Dec. 30, 1924; appl. Apr. 9, 1924). FLY CATCHER. Franz Tschernitschek, Trautenau, Czechoslovakia. - An improved fly catcher consists of a blank paper or other suitable material folded in the form of a hollow pyramid. This is coated on the inside with a viscous substance for catching flies and the device is provided with a flexible collapsible handle.

1,533,294 (Apr. 14, 1925; appl. Nov. 18, 1924). FLY TRAP. Edith Zinner, Miles City, Mont. - Flies are attracted to this glass trap by a sugar solution and are caught on strips of sticky fly paper.

1,534,980 (Apr. 21, 1925; appl. Sept. 29, 1924). FLY PAPER HOLDER. Edward McGough, Columbus, Ohio. - This wire frame holds a sheet of sticky fly paper so that it will not wrinkle and is provided with a guard to prevent contact by persons.

1,557,054 (Oct. 13, 1925; appl. May 13, 1925). FLY CATCHER. Anna M. Horning, Burlington Junction, Mo. - This device consists of a fan the blades of which carry poison coated paper which will attract and hold flies coming in contact with it. The fan is attached to the outside of a screen door and is rotated by hand.

1,560,683 (Nov. 10, 1925; appl. May 15, 1924). INSECT SHIELD FOR ANIMALS. Joel Y. Foley, Linden, Mo. - This saddle like structure is designed to fit on the back of a cow and to catch flies on sheets of fly paper.

1,561,832 (Nov. 17, 1925; appl. July 29, 1925). INSECT TRAP. Nicola Corsi and Angelo Costantino, Brooklyn, N.Y. - This device consists of a tube of paper or of glass internally lighted, which tube is coated with adhesive. A shield prevents contact with outside objects. This trap is used for catching bedbugs, roaches, flies and other insects.

1,587,898 (June 8, 1926; appl. May 29, 1925). INSECT CATCHER. Matthew D. Campbell, Roxbury, Mass. - Sticky fly paper rolled to form a cone open at both ends is mounted on a handle for manual operation.

1,597,287 (Aug. 24, 1926; appl. Feb. 9, 1925). SANITARY COLLAPSIBLE INSECT TRAP. Edward E. Pinkerton, Chicago, Ill. - This shallow box holds a sheet of sticky fly paper in a flat plane. Openings in the top admit the flies.

1,604,460 (Oct. 26, 1926; appl. Dec. 5, 1925). FLY TRAP. Henry F. Marlow, Cleveland, Ohio. - This wire mesh fly swatter is provided on one side with sticky fly paper.

1,614,153 (Jan. 11, 1927; appl. Sept. 30, 1925). INSECT TRAP. Walter Pierpoint, Alexandria, Va. - This frame holds a sheet of sticky fly paper in fixed position.

1,622,591 (Mar. 29, 1927; appl. Mar. 29, 1926). FLY PAPER HOLDER. Joseph L. Killion, Minneapolis, Minn. - This device holds a roll of sticky fly paper which can be rotated to expose a fresh surface.

1,623,006 (Mar. 29, 1927; appl. Oct. 9, 1926). FLY CATCHER. Edward Hamborg, Linden, and Victor T. Lobdell, Elizabeth, N.J. - This device consists of a cone coated on the inside with an adhesive and mounted on a handle adapted to be held in the hand of an operator and wielded through the air to catch flies in flight.

1,643,118 (Sept. 20, 1927; appl. Mar. 16, 1923). FLY PAPER APPLIANCE. Erick A. Hahn, Chicago, Ill. - This paper cone is coated with an insect glue, for example one consisting of rosin, linseed oil and honey.

1,645,715 (Oct. 18, 1927; appl. Mar. 2, 1926). FLEA AND INSECT TRAP. Annabelle S. Northrup, Norfolk, Va. - This spherical wire mesh trap contains a number of discs arranged in the form of radiating wings and coated with a sticky bait of the character of Tanglefoot.

1,655,128 (Jan. 3, 1928; appl. Aug. 14, 1926). STICKY FLY PAPER. Olga Berghorn, Jersey City, N.J. - This sticky fly paper has a design and coloring which conceal the presence of flies caught in the sticky material.

1,663,437 (Mar. 20, 1928; appl. Feb. 19, 1927). FLY PAPER HOLDER. Lucy M. S. Brown, Winchester, Idaho. - This sticky fly paper holder consists of two side frames connected at the top and diverging at the bottom.

1,685,241 (Sept. 25, 1928; appl. July 7, 1926). INSECT TRAP. Annabelle S. Northrup, Norfolk, Va. - Sticky fly paper arranged in the form of a cube is housed in a wire frame.

1,718,805 (June 25, 1929; appl. June 22, 1927). INSECT TRAP. Harry V. Wilkie and Albert F. Bachers, Detroit, Mich. - This device consists of a cup shaped perforate member lined with a sticky substance and supported in a wire handle by which the insects may be captured by using the device similar to a fly swatter.

1,795,984 (Mar. 10, 1931; appl. Dec. 3, 1928). FLY PAPER SUPPORTING DEVICE. William B. White, Des Moines, Iowa. - A rotatable drum mounting for sheets of fly paper is described.

1,802,774 (Apr. 28, 1931; appl. July 18, 1927). INSECT TRAP. Charles H. Nixon, Detroit, Mich. - This device, which is operated in the manner of a fly swatter, supports a number of superposed sheets of sticky fly paper.

1,861,378 (May 31, 1932; appl. Aug. 21, 1931). FLY PAPER SUPPORT. John Van S. Bloodgood, Setauket, N.Y. - An object of this is to provide a fly paper support which is in the nature of a bat or other manually manipulated device adapted to catch the flies in the air and not crush them against windows, portiers, furniture and the like, as is done by the ordinary fly swatter.

1,888,563 (Nov. 22, 1932; appl. Dec. 10, 1928). INSECT TRAP. Charles H. Nixon, Detroit, Mich. - This device consists of a shallow cup containing adhesive material capable of holding flies or other insects. It is operated by means of a handle like a fly swatter.

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(Number refers to patent cited)

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